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# *Dugway Proving Ground*



## *Restoration Advisory Board*

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**February 9, 2000**

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• ***DUGWAY PROVING GROUND***

# Agenda

- Welcome and Introductions
- Accept November Meeting Minutes
- RAB Purpose, Goal, and Responsibilities
- RAB Applicant Introductions
- DPG History and Current Mission
- Program Discussions
  - Installation Restoration Program (IRP) Overview
    - Consent Order Sites
    - RCRA Corrective Action Sites
      - Phase I
      - Phase II
    - Formerly Used Defense Sites (FUDS)
- Technical Review Committee
  - Consent Order Site Update
  - RCRA Facility Investigation (RFI) Site Update
- Questions and Discussion



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# Restoration Advisory Board

# Welcome

from

Colonel Edward A. Fisher

Commanding Officer

Dugway Proving Ground



# Restoration Advisory Board

## Introductions

- |                       |                             |
|-----------------------|-----------------------------|
| – Mr. Joseph Gearo    | DEP Director                |
| – Scott Reed          | IRP Program Manager         |
| – Keller Davis        | IRP Program Support         |
| – Nancy Kosko         | ATEC                        |
| – Mary Ellen Maly     | AEC                         |
| – Maryellen Mackenzie | USACE, Sacramento District  |
| – Chris Prescott      | USACE, Sacramento District  |
| – Larry Diede         | USEPA, Region 8             |
| – Dave Larsen         | UDEQ                        |
| – Ed Staes            | Parsons Engineering Science |
| – Jeff Ogawa          | IT Corporation              |



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## RAB Committee

- **What is a RAB?**
  - Restoration Advisory Boards (RABs) provide a forum through which communities near military installations can participate in the Department of Defense's (DOD's) environmental cleanup program.



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## RAB Committee

- **Rational for a RAB**
  - Encourages dialogue among stakeholders.
  - Fosters true partnership between the community and the government agencies.



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## RAB Committee

- **Purpose of the RAB**
  - Provide a forum that encourages open dialogue.
  - Meet the environmental restoration needs of the community.
  - Complement other community involvement initiatives.



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## RAB Committee

- **RAB Community Members Roles & Responsibilities**
  - Voluntary.
  - Provide ADVICE and COMMENTS.
  - Attend regularly scheduled RAB meetings
  - Review and evaluate environmental reports and documents.
  - Recommend priorities for cleanup activities.
  - Serve as a liaison between the installation and community to relay information and answer questions.





## RAB Committee

- **Who are the RAB members?**
  - Diverse representation of the local community
  - U.S. EPA
  - UDEQ
  - Other federal or state agencies
  - Local government



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## RAB Committee

- **Size of the RAB**
  - The number of RAB members should be large enough to reflect community diversity, yet small enough to be workable.



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## RAB Committee

- **Installation Members**
  - The Commanding Officer will appoint an installation representative.
  - Other installation representatives may include technical support staff, the Public Affairs Office, and legal staff.



# RAB Committee

- **Member and Co-chair Selection Process**

Representatives from the US Army, US EPA, and UDEQ will select RAB members based upon the completed application forms.

Selection criteria includes:

- Affected community
- Special Interest groups
- No conflict of interest
- Time commitment
- Background is not important

When membership selection is complete, RAB members will then elect a Community Co-Chair.



## RAB Committee

- **Time Commitment of RAB Members**
  - Quarterly RAB meetings will be held in the evenings, once every three months. Meetings will last approximately 1 ½ hours.
  - RAB members and Co-Chair will serve two year terms.



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## RAB Committee

- **Ingredients for a Successful RAB**
  - Open and forthright communication.
  - Understanding and trust.
  - Shared goals.
  - Willingness to forge partnership.



# RAB Committee

- **RAB Operating Procedures**
  - Members develop a charter that is a mission statement and establish the goal of the RAB.
  - Members develop ground rules and operating procedures or guidelines that RAB members agree to adhere to.
  - RAB should focus on environmental restoration issues only.
  - The RAB is not an advisory committee, but must offer advice in individual capacities rather than by consensus.
  - Regular attendance is a necessity.



## RAB Committee

- **Summary and Conclusion**
  - RABs are key elements which assist installation responsiveness to community concerns.
  - Result will be more responsive cleanups that address the diverse needs of the community.





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# RAB Committee

- RAB Applicant Introductions



# Installation History and Mission

- **Past Mission**

- DPG was activated in 1942 as a military weapons and defense test facility against chemical and biological agents
- Early projects included testing incendiary bombs, chemical weapons, and modified agents as spray disseminated from aircraft
- Limited biological warfare material testing began in 1945 that included open air testing
- Chemical and Biological Warfare Divisions were formally activated in 1951
- In 1968, DPG was combined with the Deseret Test Center
- Open air testing continued until 1969
- In 1973, Deseret Test Center was decommissioned and DPG assigned to TECOM



## Installation History and Mission (Cont.)

- **Current Mission**

- Dugway is now part of US Army Test and Evaluation Command (ATEC) headquartered at Alexandria, Virginia
- Currently, 798,855 acres
- Involved with chemical and biological defensive testing
- Environment characterization and remediation technology testing
- Leader in battlefield smoke and obscurant testing



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# Installation Restoration Program

- Consent Order Sites
- RCRA Corrective Action Sites



## Consent Order Sites

### Consent Order History

- September 1990 Consent Order
  - Listed 27 SWMUs for investigation to determine which were HWMUs
  - Amended December 1993 to include 18 additional units for investigation
- September 1994 Consent Order
  - Listed 41 HWMUs based on Field Mobilization 1
  - Required groundwater monitoring at 12 of the 41 units



## Consent Order Sites

- Closure Plans required for 41 HWMUs
- Closure Plans prepared in 3 Modules
- Modules 1 and 2 approved (7 closure plans)
- Final Module 3 issued 1998
  - 25 closure plans issued as final, but not approved
  - 6 closure plans being revised to address State comments
  - 2 closure plans on hold due to chemical agent/ABPs



## Consent Order Sites

- **Closure Plan Module 1**
  - Deletion from the permit of 3 units that received no hazardous waste; no future releases are expected
  - Closure plans based on pre-Consent Order and Mobilization 1 activities (1989 and 1992)
- **Closure Plan Module 2**
  - Clean closure of 4 units based on risk assessment, absence of waste, and no future use as a SWMU
  - Closure plans based on field activities through Mobilization 2 (through 1993)
  - Prepared as a model for Module 3



## Consent Order Sites

- **Closure Plan Module 3**
  - 7 No Action -- SWMUs 34, 40, 46, 63-2, 99, 165, 167
  - 6 Site Controls -- SWMUs 14, 36, 124, 163, 169, 190
  - 8 Removals followed by Site Controls --  
SWMUs 7, 9, 33, 59, 128, 130, 158/162, 168
  - 1 Corrective Action -- SWMU 48
  - 7 Landfill Covers -- SWMUs 2, 37, 39, 42, 43, 55, 90
  - 4 Interim Closures -- SWMUs 38, 51, 58, 63-1
- **Closure plans based on sampling through Mobilization 3 in 1995**





# Installation Restoration Program

- **RCRA Facility Investigation**
  - Phase I
    - 130 sites investigated
    - 65 sites agreed to no further action (NFA)
    - 14 new sites added at the conclusion of Phase I
    - 71 sites moved into Phase II for further characterization
  - Phase II
    - 71 sites total from Phase I (after consolidation)
    - 4 of the 71 sites moved to Phase II but deferred until biological sampling methodology issues are resolved



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## Installation Restoration Program

- **Formerly Used Defense Sites (FUDS)**
  - FUDS are not part of IRP program
  - FUDS are funded separately through DERA and HQ USACE
  - FUDS associated with DPG will not be part of the requirements for this RAB or TRC



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# Installation Restoration Program

QUESTIONS ?????

